may be processed into a print job that is arranged according to the layout in an XHTML template, and then the template is transmitted to an image forming device via a Bluetooth wireless network using Bluetooth BPP.

[0045] **FIG. 5** illustrates a wireless protocol adaptive printing method **500**. The method **500** may include, at **510**, retrieving a cellular telephone print item from a server. The server types from which the cellular telephone print item can be retrieved include, but are not limited to, an MMS server, an SMS server, a contact server, a calendar server, a message server, an image server, a text server, and a game server. At **520**, a determination is made concerning whether the cellular telephone print item is a complete message. If the determination at **520** is No, that the cellular telephone print item is not a complete message, then the method **500** may include, at **530**, communicating with a server to retrieve additional data until the cellular telephone print item is a complete message. Completing the retrieval at **530** may involve communicating with one or more servers. For example, a message header may have been retrieved at **510** and the message header may indicate that text associated with the message header is available at a text server while images associated with the message header are available at an image server. Thus, completing the retrieval at **530** may include communicating with the text server for the text and the image server for the images.

[0046] Once a complete message is retrieved, the method **500** may also include, at **540**, identifying a communication link by which a cellular telephone can communicate with an image forming device and, at **550**, identifying a protocol by which print items can be transmitted. For example, the communication link may be a wireless link supported by WAP and the print data transmission protocol may be based on a Bluetooth wireless network and Bluetooth BPP.

[0047] The method **500** may also include, at **560**, identifying printable elements in the complete retrieved cellular telephone print item and, at **570**, selectively processing chosen printable elements into print job elements. The method **500** may then include, at **580** selecting an arranger to guide the layout of the print job elements and arranging the print job elements into a print job. In one example the arranger is an XHTML template and the print job elements are merged into the XHTML document along with printer-ready instructions concerning the print job elements. At **590**, the print job is transmitted, via the wireless communication link, using the print data transmission protocol to an image forming device. It is to be appreciated that processor executable instructions for portions and/or all of method **500** may be stored on a computer-readable medium.

[0048] In one example, a computer-readable medium may store processor executable instructions operable to perform a method that includes, retrieving a cellular telephone print item from an MMS server and selectively retrieving additional data from the MMS server to make a complete cellular telephone print item that includes printable elements. The method may also include identifying a wireless communication link by which a print job can be transmitted from a camera-enabled mobile phone to a printer via a Bluetooth wireless network and Bluetooth BPP and filtering out of the printable elements print job elements to process into a printer-ready format, where the identifying depends, at least in part, on content types supported by a Bluetooth wireless network and Bluetooth BPP. The method may also include processing the print job elements into a print job, where the processing includes generating one or more printer-ready instructions and arranging the print job elements and the printer-ready instructions in an XHTML template. The method may also include transmitting the XHTML template to the printer using the wireless communication link, a Bluetooth wireless network, and Bluetooth BPP.

[0049] **FIG. 6** illustrates an example cellular telephone **600** configured with a wireless protocol adaptive printing system. The cellular telephone **600** may communicate with an image forming device **610** over a wireless network using, for example, Bluetooth protocols, and/or IEEE 802.11 protocols. Bluetooth refers to short-range radio technology concerned with data and/or computer communications. Information concerning the Bluetooth specification and protocols can be found, for example, at www.bluetooth.org. IEEE 802.11 refers to a family of specifications developed by the Institute of Electrical and Electronics Engineers (IEEE) for wireless local area network (LAN) technology.

[0050] The image forming device **610** may be, for example, a printer. The cellular telephone **600** may be, for example, a camera-enabled mobile phone. The cellular telephone **600** may have available a print item **620** to be processed by the print system. The print item **620** may be associated with a message received from a server. Servers with which the message may be associated include, but are not limited to, an MMS server, an SMS server, an image server, a text server, an audio server, and so on. Thus, the print item **620** may include various parts **622**. Some of the parts **622** may be printable (e.g., text, JPEG file) on the image forming device **610** when communicated via a print data transmission protocol. In one example, the print item **620** may be an MMS message.

[0051] The cellular telephone protocol adaptive print system may include a content transforming logic **630** configured to process the print item **620** into a print job **640** pursuant to a print data transmission protocol supported by a mobile device protocol logic **650**. The protocol logic **650** may be configured, for example, to transmit a print job **640** from a cellular telephone **600** to an image forming device **610** pursuant to a print data transmission protocol. Thus, the protocol logic **650** can be said to support a print data transmission protocol. In one example, the print data transmission protocol is based on a Bluetooth wireless network and Bluetooth BPP.

[0052] In one example, the cellular telephone protocol adaptive print system may be incorporated in a wireless communication device **600**. The cellular telephone **600** may be, for example, a camera-enabled mobile phone.

[0053] The image forming device **610** may include a receiving protocol logic **660** configured to receive a print job **640** processed by the mobile device protocol logic **650**. Additionally, the image forming device **610** may include a rendering logic **670** configured to process the print job received by the receiving protocol logic **660** into a printer-usable format. The rendering logic **670** may be configured, for example, to render the print job received by the receiving protocol logic **660** into a bitmap.

[0054] Printer-ready formats can include forms like printer-ready bits, printer-ready instructions, printer-inde-